

STEM Initiatives and Breakfast of Science Champions

Purpose

Have you ever wanted to see how the brain works, or how to run a super-conductor train? At STEM Initiatives' Breakfast of Science Champions, middle school students learn these things and more. Students come to OSU for a morning of hands-on exposure to science, technology, engineering, and math problems. They learn about the work conducted by various labs and then participate in activities and experiments reflecting the lab's work.

Impact

Approximately 400 students participated in the Breakfast of Science Champions events held in November. They visited 10 different labs across OSU.

Activities included flying flight simulators at the OSU Airport, using liquid nitrogen-frozen bananas as hammers at the Center for Emergent Materials, and examining ice cores at Byrd Polar and Climate Research Center.

Evaluation of Breakfast of Science Champions found that the program:

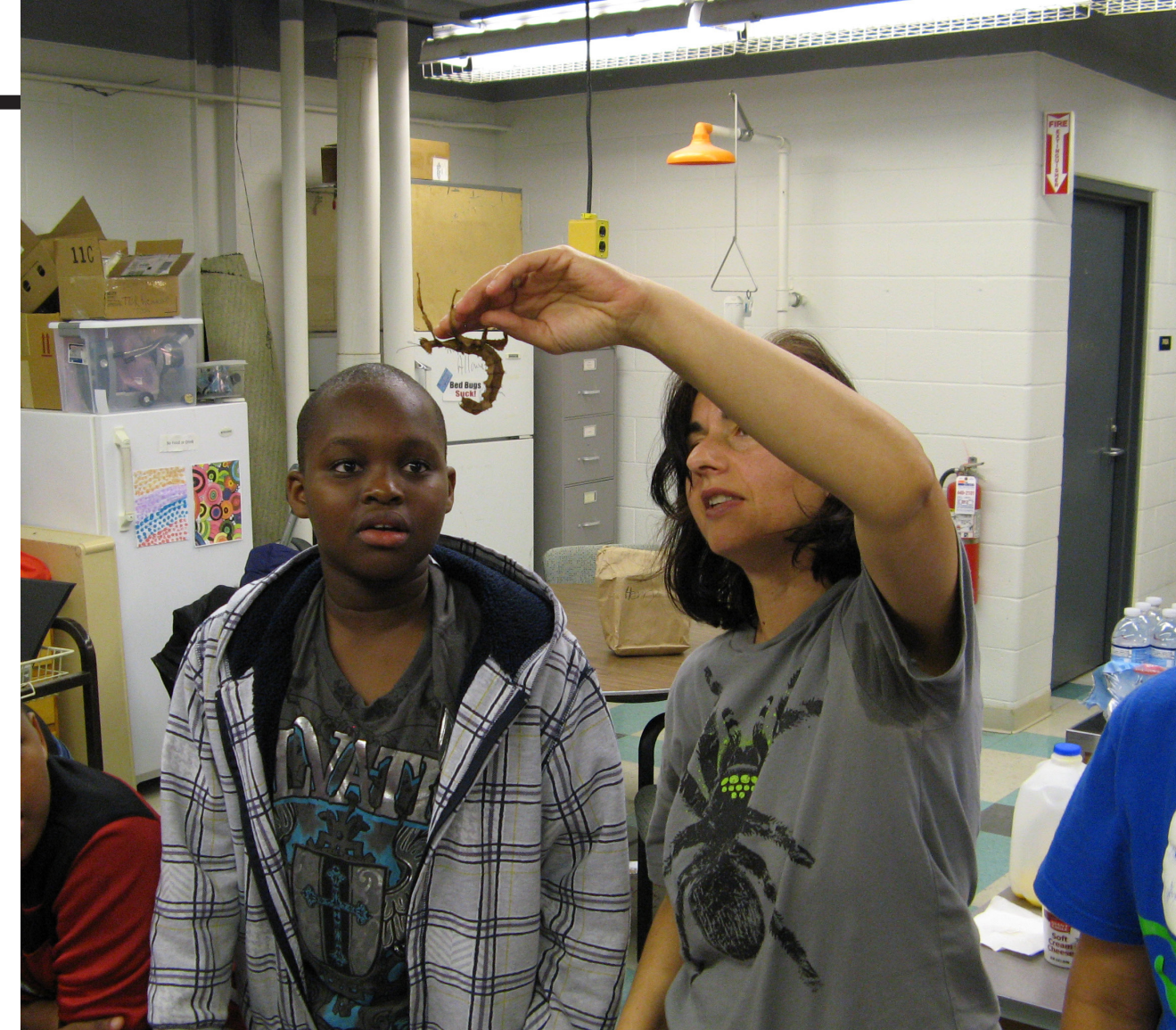
- improved students' attitudes about science and scientists
- increased students' interest in science careers
- fostered students' aspirations for post-secondary education
- helped students appreciate the importance of public understanding of science.

Ohio State Colleges/Units Involved

College of Arts and Sciences,
STEM Initiatives
Biological Sciences Greenhouse
Byrd Polar and Climate
Research Center
Center for Applied Plant Sciences
Center for Cognitive and Behavioral
Brain Imaging
Center for Cosmology and
AstroParticle Physics
Center for Emergent Materials
College of Nursing
College of Optometry
Department of Astronomy
Department of Food, Agricultural,
and Biological Engineering
Department of Food Science
and Technology
Department of Physics
Insect Molecular Genetics
Neuroscience
Ohio 4-H Center/EcoBot Challenge
Ohio State Airport
Ohio State Planetarium
Undergraduate Research Lab in
Behavioral Ecology
Women in Engineering Program

Community Partners Involved

Columbus City Schools
The Metro School



Contact

Tracy Burdett
Technology and
Outreach Coordinator
STEM Initiatives
College of Arts and Sciences
burdett.16@osu.edu
<http://stemoutreach.osu.edu>



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